



HUNTSVILLE

Shane Davis, P.E.
Director of
City Engineering

Tommy Battle
Mayor

**REDSTONE GATEWAY PACKAGE 1F-REDSTONE GATEWAY
EXTENSION, MARKET STREET, AND OVERLOOK ROAD
RELOCATION**

**Project No. 65-11-SP22
October 4, 2011**

Addendum #2

All addenda, and attachments for the above- referenced project will become part of the contract documents.

CONTRACTOR QUESTIONS:

1. **Q.** Is the bid date still Friday, October 7, 2011 at 2PM CST and at the same location?
A. No, the new bid date is Friday, October 14, 2011 at 2PM CST. The location will be the same.
2. **Q.** It appeared during the test dig that the topsoil averaged approximately one foot in thickness, but the root matt was as much as foot below the topsoil. How will this root mat be handled? Will it have to be segregated from the fill material, used as fill as is or be classified as topsoil and therefore not be usable as fill material?
A. Below is a picture of a test pit from the retail area for reference. The reddish brown soils above the pink flagging tape are what Building and Earth Sciences has identified as topsoil. The red clay beneath the flagging tape can be considered fill material as long as it meets the plasticity requirements in the project specifications. There are very fine roots located below the flagging tape. Building and Earth is of the opinion that as long as there is not a large,

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concentrated root mass contained in the soils below the flagging tape, that these soils will not be considered topsoil. Root balls of trees or other large plants will have to be addressed as the area is being cleared.



3. **Q.** As far as undercutting is concerned, will the big detention pond need to undercut 1' as well?
A. No.
4. **Q.** How long will the temporary shoring wall need to be in place?
A. The shoring wall was deleted in Addendum #1 dated 9/30/2011.
5. **Q.** If lime stabilization is required should it be placed in the base bid or in the unit price allowance?
A. Lime stabilization shall be accounted for in base bid as the contractor deems necessary to comply with the project specifications.
6. **Q.** Is railroad Protective Liability Insurance required for this project?
A. No.
7. **Q.** If anymore borrow is needed besides the 30,000 cy structural fill is needed will it be available from owner?
A. 1F-1 contractor may over excavate Pond F to generate additional structural fill.
8. **Q.** How far away is the site where we would place unsuitable soils?
A. This is an unclassified lump sum bid to subgrade plus an additional 12". Any unsuitable

material encountered shall be mechanically and / or chemically treated per the direction of the geotechnical engineer or shall be properly removed to an off-site location. Associated costs for this work shall be included in the contractors base bid lump sum price.

9. **Q.** Will Huntsville Utility relocate the power lines and if so, How much will it cost, or is contractor responsible for relocating them?
A. No, this is not a Huntsville Utilities power line. The line is a Redstone Arsenal line. The 1F-1 contractor shall relocate this line as shown on C11.0, C11.2, and C11.3 with all costs associated with this relocation in their base bid price. Coordination with Redstone Arsenal will be required.
10. **Q.** Is the Redstone Gateway Package 1F-1 responsible for the Lighting conduit in the median as shown on sheet 14.4 (Utility Placement Cross Section)?
A. No, but the 1F-1 contractor shall coordinate this work with the 1F-4 contractor as it relates to curb and paving installation.
11. **Q.** How much bedding and stone backfill is required around the box culverts in improved and unimproved areas?
A. Bedding and stone backfill shall be per detail DR-166 and COH specifications. The bedding shall be 6" #78 stone. The unimproved areas shall receive compacted soil backfill and mounded for settlement. Back fill for improved areas shall be #78 stone up to subgrade.
12. **Q.** Will the landfill that is within the arsenal let us accept demolition debris such as curbing, concrete pipe, etc?
A. No, all debris to be disposed of off-site.
13. **Q.** Reference drawings C3.3 and C3.4 Demolition, are we to remove/relocate existing electrical poles, overhead line/lines and guy wires?
A. Yes, the 1F-1 contractor is responsible for the relocation of the existing overhead power as shown on sheets C11.0, C11.2, and C11.3.
14. **Q.** Can anyone perform the I3MP "hot- cut" tie-in work?
A. No. 1F-1 contractor shall contact Global Management Systems, Inc., Wiley Gullion, work # 256-955-0343, cell # 256-755-6598, e-mail marlon.k.gullion.ctr@mail.mil. Contractor must include the cost of the I3MP "hot-cut" tie-in work in their base bid.
15. **Q.** Where onsite do we stockpile the 40,000/CY of topsoil?
A. Per this addendum, the topsoil stockpile that is to remain upon the completion of the 1F-1 contract shall be a total 4,800 CY. The 1F-1 contractor can stockpile additional topsoil onsite to be used for re-spreading topsoil at a later day for their own scope. The location of the additional stockpile must be coordinated with the PM. Two permanent topsoil stockpiles shall remain at the completion of the 1F-1 project totaling 4,800 CY. A 3,000 CY stockpile will be located on the retail site and a 1,800 CY stockpile will be located on the 1F-1 site for use by the 1F-4 contractor. The location of these stockpiles shall be coordinated with the PM.
16. **Q.** How do we handle excess topsoil above and beyond the 4,800 CY stockpiled onsite for future use?
A. Any topsoil above the 4,800 CY to be stockpiled shall be hauled off-site to the location indicated in the project specifications and noted on Exhibit 2.
17. **Q.** Has any additional grading, drainage, erosion control, or utility work been added to the site along the western boundary and through the retail site noted as Area 1?
A. Yes, refer to the Package 1B - Revision 2 drawings in this addendum, in particular the clouded areas noted on Sheet C6.0, C7.1, C8.1B, C11.2, and C15.0. Below is a summary of the new Package 1F-1 scope of work (note that the items listed below are currently shown in the 1F-1 drawings as existing - issued for bid drawings will merge these two drawings sets together into one overall set of drawings for ease of construction):

<u>Sheets</u>	<u>New Package 1F-1 Scope of Work</u>
C6.0	Grading around inlets and ditch line adjacent to Rideout Road and along the western boundary line. Storm Line S-1, S-2, & S-3 (Line S-4 to S-5 is a part of Package 1B), U, V, W, and X.
C7.1	Erosion Control
C8.1B	Water main relocations due to storm lines V, W, and X.
C11.2	Details
C15.0	Storm Profiles

18. Q. Are weep holes required in the cast-in-place ALDOT culvert details?
A. No, all box culverts are to be water tight whether cast-in-place or pre-cast type.
19. Q. Are any storm lines required to be water tight?
A. Yes, all box culverts and storm pipes .
20. Q. Are we to include the concrete sidewalks?
A. No, sidewalks will be included in a future package.
21. Q. Reference the following drawings; C3.1 thru C3.5. Are the following scopes of work included with this proposal 1) Remove and replace existing I3MP duct-bank, 2) 12" water line cut, cap, remove, and replace, 3) 1" water line cut, remove and replace and 4) remove/relocate existing electrical poles, overhead line/lines and guy wires?
A. Yes, see response to Q & A #1 in Addendum #1.
22. Q. Reference the following drawings; C11.1 thru C12.1. Are the following scopes of work included with this proposal 1) Relocate I3MP, copper lines and communication, water lines and electrical?
A. Yes, see response to Q & A #1 in Addendum #1. See Question #13 above for the "hot-cut" tie-in work for the I3MP which must be included in your base bid.
23. Q. After reviewing the write-ups for Future Packages (i.e. Package 1F-2 and others) we are having difficulty identifying what portion/portions, if any, of these scopes of work that are to be included in the Package 1F-1 or the upcoming packages?
A. Installation of work that is defined as "Future Scope" is not to be included in this bid package. However, coordination with work currently in progress from previous bid packages and/or work by future bid packages will be required.

REVISED DRAWINGS:

The following drawing sheets have been revised and are attached, also, are accessible on the COH Engineering website under this project information titled "Revised Drawings per Addendum No. 2"

C6.0	Grading and Storm Drainage Plan
C7.1	Erosion Control Plan
C8.1B	Utility Plan
C11.2	Civil Details
C15.0	Storm Drainage Profiles

Attachments: Revised Drawings

END OF ADDENDUM #2

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GENERAL NOTE:
SPOT ELEVATIONS ON EXISTING AND PROPOSED STORM DRAINAGE ARE INDICATED BY A DOTTED LINE. CONSTRUCTION OF DRAINAGE ALLEYS AND ACCESS THROUGH EXISTING ALLEYS ARE INDICATED BY A DOTTED LINE.

- NOTES:**
1. SEE SHEET C-1 FOR ALL GENERAL NOTES.
 2. EXISTING AND PROPOSED STORM DRAINAGE ARE INDICATED BY A DOTTED LINE.
 3. EXISTING AND PROPOSED STORM DRAINAGE ARE INDICATED BY A DOTTED LINE.
 4. EXISTING AND PROPOSED STORM DRAINAGE ARE INDICATED BY A DOTTED LINE.

PROJECT:
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA



DATE	BY	CHKD	APPD
06/01/2011	J. L. BROWN	J. L. BROWN	J. L. BROWN
06/01/2011	J. L. BROWN	J. L. BROWN	J. L. BROWN
06/01/2011	J. L. BROWN	J. L. BROWN	J. L. BROWN

GRADING AND STORM DRAINAGE PLAN
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA



L&L
LANDSCAPE ARCHITECTS
P.C.
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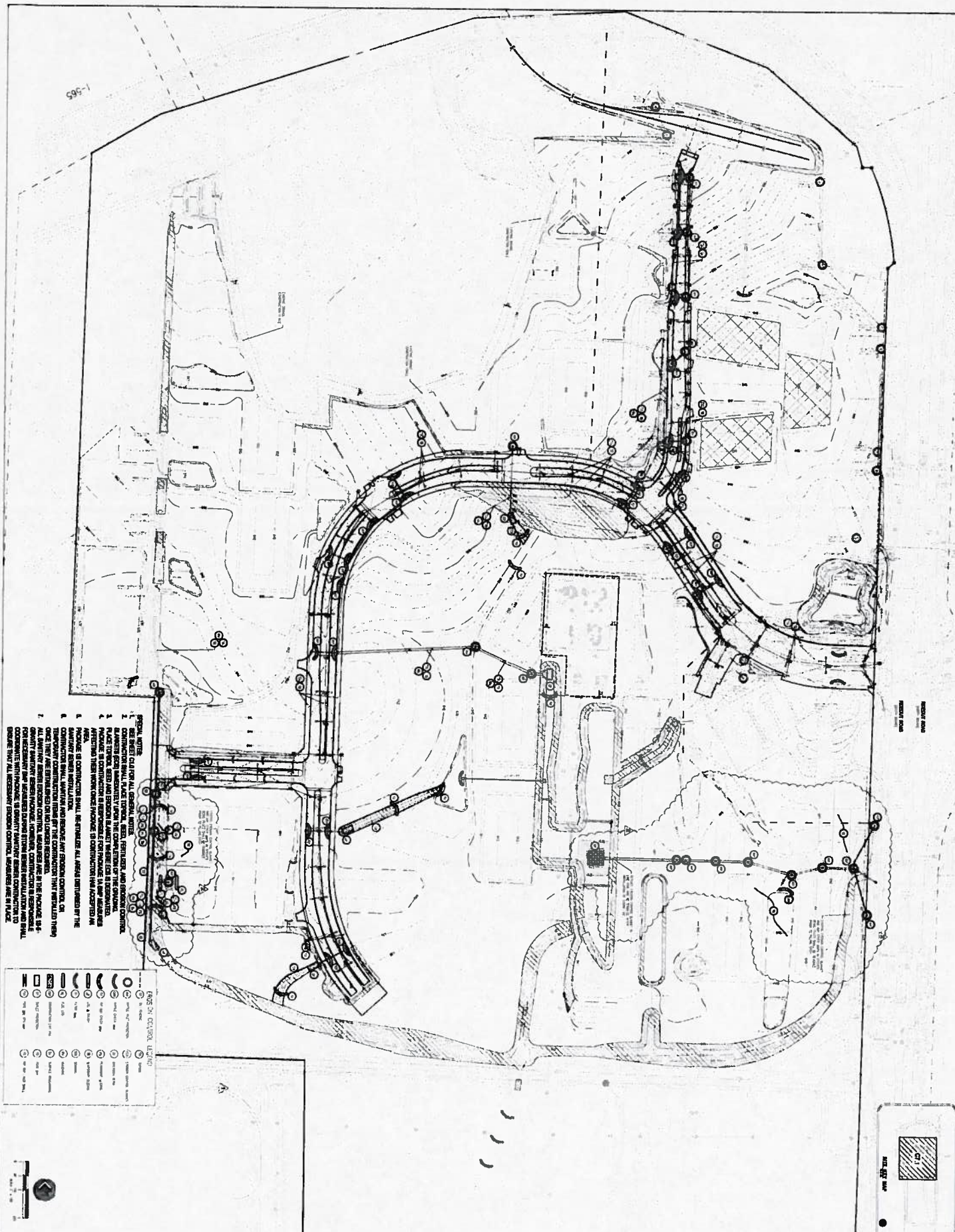


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J. L. BROWN
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State of Alabama
Exp. 12/31/2012

1-565



- SPECIAL NOTES:**
1. SEE SHEET C-1 FOR ALL GENERAL NOTES.
 2. CONSTRUCTION SHALL PLACE EROSION, SEDIMENT, AND SLOPE CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL MANUAL.
 3. PLACE EROSION, SEDIMENT, AND SLOPE CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL MANUAL.
 4. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
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 10. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

PLAN SYMBOL LEGEND

(Symbol)	1. Silt Fence
(Symbol)	2. Sediment Basin
(Symbol)	3. Revegetation Area
(Symbol)	4. Erosion Control Measure
(Symbol)	5. Slope Control Measure
(Symbol)	6. Erosion Control Measure
(Symbol)	7. Erosion Control Measure
(Symbol)	8. Erosion Control Measure
(Symbol)	9. Erosion Control Measure
(Symbol)	10. Erosion Control Measure

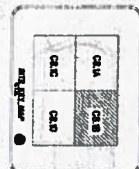


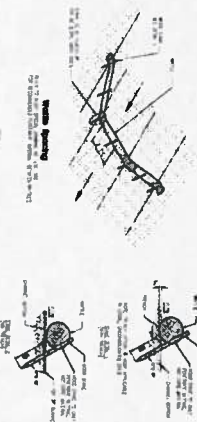
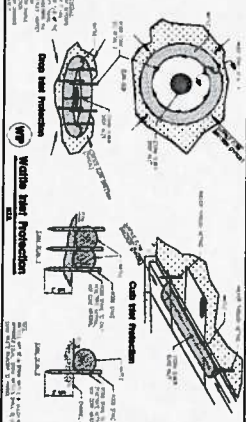
EROSION CONTROL PLAN - PACKAGE 1B MODIFICATIONS
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

DATE	DESCRIPTION	BY	CHKD
01/11/2011	REVISION 1	J. L. LEE	J. L. LEE
01/11/2011	REVISION 2	J. L. LEE	J. L. LEE
01/11/2011	REVISION 3	J. L. LEE	J. L. LEE
01/11/2011	REVISION 4	J. L. LEE	J. L. LEE
01/11/2011	REVISION 5	J. L. LEE	J. L. LEE
01/11/2011	REVISION 6	J. L. LEE	J. L. LEE
01/11/2011	REVISION 7	J. L. LEE	J. L. LEE
01/11/2011	REVISION 8	J. L. LEE	J. L. LEE
01/11/2011	REVISION 9	J. L. LEE	J. L. LEE
01/11/2011	REVISION 10	J. L. LEE	J. L. LEE

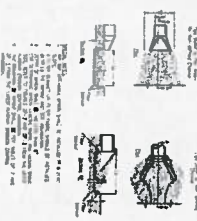
LEVO
Civil Engineering
1000 1st Avenue, Suite 100
Huntsville, AL 35893
256-533-1111
www.levo.com

PROJECT NO. 1000000000
DATE 01/11/2011
SCALE 1" = 100'

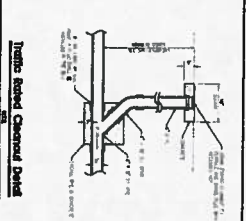
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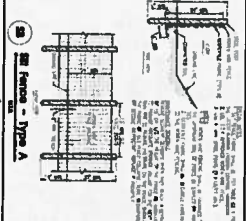
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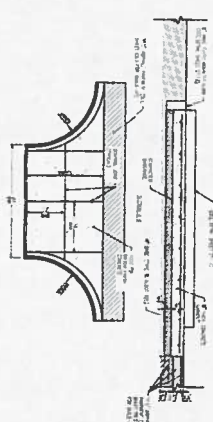
Traffic Rated Cleared



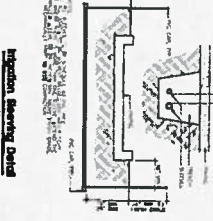
Painted Turn Arrow
N/A



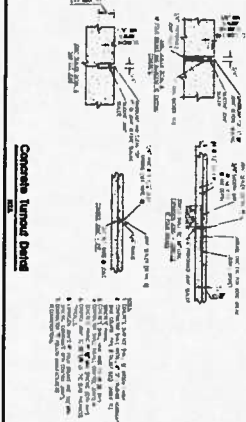
52 521 Fence - Type A
GIA



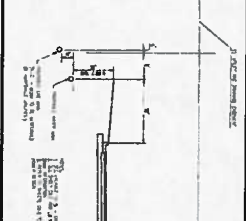
Bulkyard Concrete Crosswalk Detail



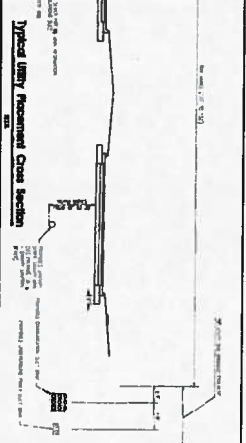
Injection Steering Data



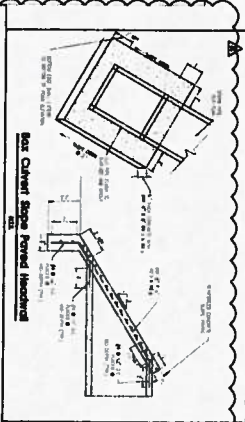
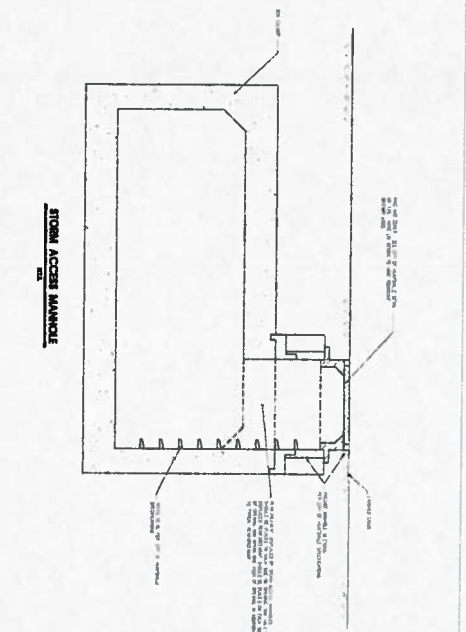
Concrete Turnout Data



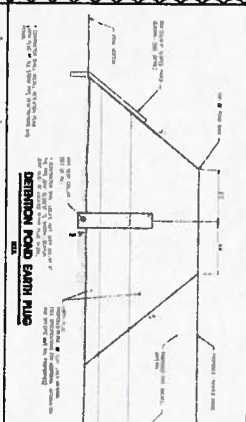
(large problem if
there are 30 or more variables)



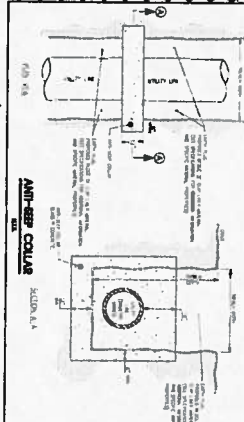
Typical Utility Placement Cross Section



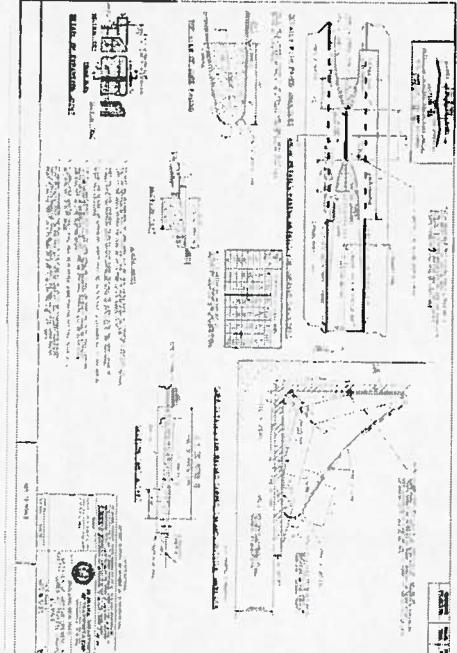
Box Culvert Slope Paved Headwall

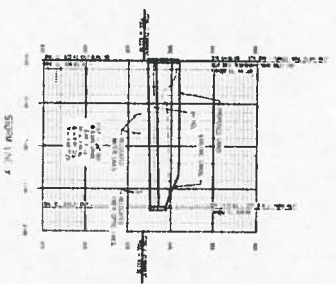
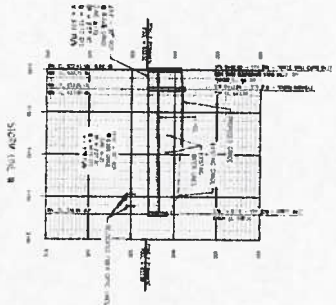
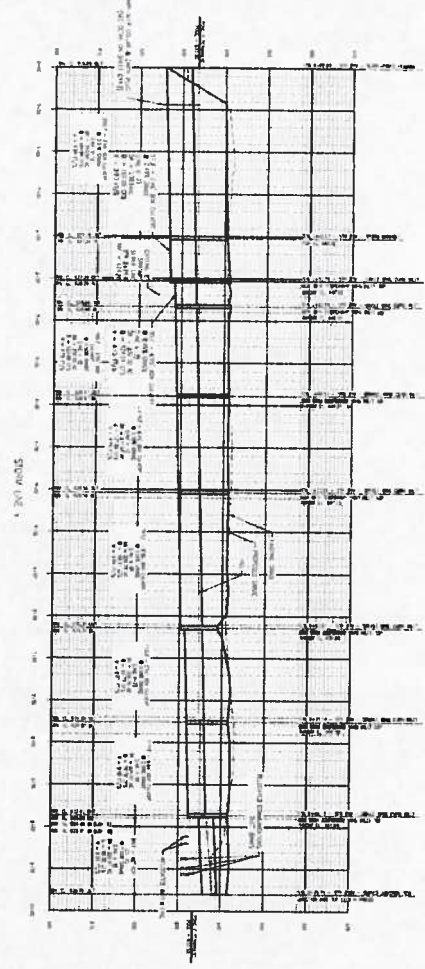
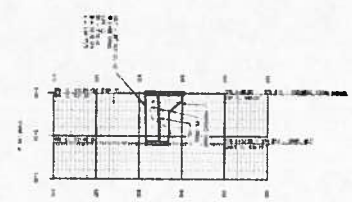
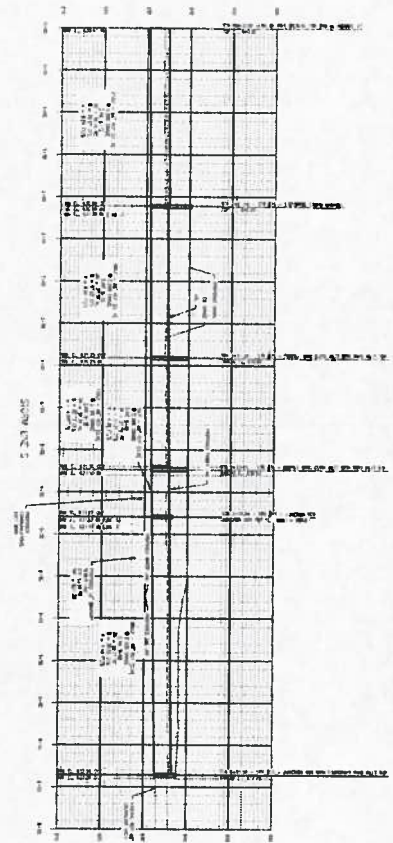


DETENTION POND EARTH PLUG



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NOTE:
SEE SHEET 1 FOR ADDITIONAL STORM PROFILES.

REVISIONS:
1. PER SHEET 1 FOR THE STORM PROFILES
2. PER SHEET 1 FOR THE STORM PROFILES
3. PER SHEET 1 FOR THE STORM PROFILES

STORM DRAINAGE PROFILES
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

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NO.	DATE	DESCRIPTION
1	08/20/2014	ISSUED FOR PERMIT
2	08/20/2014	ISSUED FOR PERMIT
3	08/20/2014	ISSUED FOR PERMIT
4	08/20/2014	ISSUED FOR PERMIT
5	08/20/2014	ISSUED FOR PERMIT
6	08/20/2014	ISSUED FOR PERMIT
7	08/20/2014	ISSUED FOR PERMIT
8	08/20/2014	ISSUED FOR PERMIT
9	08/20/2014	ISSUED FOR PERMIT
10	08/20/2014	ISSUED FOR PERMIT